

IN THE CLAIMS:

Please amend claims 1, 5, 8 and 13 as follows:

1. (Amended) A connector, comprising:

at least one connector port in the connector to supply power or establish communications to a printed circuit board;

at least one connector lead to connect the at least one connector port to the printed circuit board; and

at least one positive thermal coefficient switch provided as part of the connector and provided between the at least one connector port and the at least one connector lead to cut off communications or power and protect at least one circuit in the printed circuit board.

5. (Amended) The connector recited in claim 1, wherein the at least one

connector lead connected to the at least one connector port is connected to at least one trace/lead embedded in or mounted on the printed circuit board.

8. (Amended) A connector, comprising:

at least one connector port in the connector to supply power or establish communications to a printed circuit board;

a plurality of connector leads to connect the at least one connector port to the printed circuit board; and

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a plurality of positive thermal coefficient switches provided as part of the connector and provided between the at least one connector port and the plurality of connector leads to cut off communications or power and protect at least one circuit in the printed circuit board.

AG Sub B4

13. (Amended) A connector, comprising:

- at least one connector port in the connector to supply power or establish communications to a printed circuit board;
- a plurality of connector leads to connect the at least one connector port to the printed circuit board; and
- a plurality of positive thermal coefficient switches provided as part of the connector and provided between the at least one connector port and the plurality of connector leads to cut off communications or power and protect at least one circuit in the printed circuit board, wherein a single connector lead of the plurality of connector leads is connected to a positive thermal coefficient switch of the plurality of positive thermal coefficient switches and is connected to a plurality of leads/traces contained within the printed circuit board and connected to the at least one circuit in the printed circuit board.

Please add new claims 16-18 as follows:

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--16. A system comprising:
a printed circuit board having a plurality of traces; and
a connector to couple one of a power supply and a communication device to the printed circuit board, the connector including:
at least one connector port in the connector to supply power or establish communications to a printed circuit board;
at least one connector lead to connect the at least one connector port to the printed circuit board; and
at least one positive thermal coefficient switch provided as part of the connector and provided between the at least one connector port and the at least one connector lead to cut off communications or power and protect at least one circuit in the printed circuit board.--

--17. The system of claim 16, wherein the at least one positive thermal coefficient switch is an axial leaded positive thermal coefficient switch embedded within the connector.--

--18. The system of claim 16, wherein the at least one positive thermal coefficient switch is a surface mounted positive thermal coefficient switch mounted on the connector.--